

**Minutes of the Carlisle Board of Health
February 4, 2014**

Present: Bill Risso (Chairman), Catherine Galligan, Vallabh Sarma, Donna Margolies, Lee Storrs. Also present: Linda Fantasia, Health Agent, Ginny Lamere (Mosquito), Derek Skillings, Skillings & Sons.

MINUTES – 12/3/14 tabled to the next meeting. **It was moved (Galligan) and seconded (Margolies) to approve the minutes of 1/7/14 as amended. Motion passed 5-0-0. It was moved (Galligan) and seconded (Sarma) to approve the minutes of 1/21/14 as amended. Motion passed 5-0-0.**

BILLS – payroll. It was moved (Galligan) and seconded (Margolies) to approve the bills as presented. Motion passed 5-0-0.

ADMINISTRATIVE REPORTS

Tick Borne Disease (TBD) updates

- Community Innovation Challenge Grant (CIG) to develop a tick surveillance network will be announced 2/6/14.
- Lyme Disease Subcommittee – Jean Barry is working with the State Lab to help identify gaps in the state's electronic surveillance system by checking with residents on their case histories. The Board agreed that the state is aware of under reporting TBD and will be very interested in local efforts to identify and address the problem. The data collected may help obtain funding.
- April 30, 2014 – Middlesex Tick Task Force Panel Event – Lincoln School 7-9 pm
Panelists include Dr. Alfred DeMaria, state epidemiologist, Kurt Upham, owner of Oh Deer and possibly Dr. Steven Rich, Director of the UMass Laboratory for Medical Zoology.
- Dr. Sam Telford, Tufts University, will be speaking on TBD in Bedford in March. Dr. Telford gave a well-attended presentation in Carlisle last year. The materials prepared for the Carlisle talk are being shared with the Bedford Health Dept.

Grant Opportunity – NACCHO is offering awards up to \$13,500 to develop capacity to offer chronic disease self-management workshops. The grant was suggested by the Council on Aging Director. Fantasia said this could be a project for the Population Health Clerkship students in the fall. Galligan suggested workshop on “green cleaning” for patients suffering from chronic lung disease. She has done some work on a training module for this program. The Board agreed that the time involved might be too much. In addition to development and training, the local public health department must provide six workshops over the grant period. The Board will not pursue the grant at this time. The application deadline is 2/17/14.

MA DPH Clinical Advisory for schools relative to skin rashes among student athletes. The Board reviewed the notice from the state which is also being sent to all school nurses.

Training Seminars – Fantasia will attend the 2/20/14 Department of Environmental Protection seminar on shared systems and the Massachusetts Health Officers Association seminar on hoarding on March 20, 2014.

Public Water Supplies Notices of Non- Compliance– the system owners have 30 days to comply.

- Ferns for lack of cross connection control plan
- Great Brook Park for no annual statistical report to state

DISCUSSION ITEMS

915 CURVE STREET – geothermal wells. Derek Skillings, well driller, appeared before the Board.

The property is converting an existing geothermal system which uses the onsite as well as a dual purpose drinking water and geothermal well to three closed loop geothermal wells. The current well does not provide sufficient water pressure for household use while supporting the heat pump. Skillings submitted a layout plan which meets all of the required setbacks. The state changed Ground Source Heat Pump guidelines in December. The proposed design

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complies with the current guidelines. The wells will be located under the paved driveway. Cuts will be made in the asphalt for drilling the bore holes but will be resealed once the work is completed. Locations will be marked on an as-built and a magnetic marking tape will be placed in the trench to the house. The wells will be around 500' deep. The well lines will be buried 5' below the surface using 2" rigid insulation. Skillings said the driveway location is necessary due to access and site grades. He has done other larger systems under parking areas without problems. The lines are all pressure tested before being buried. The Board is concerned about locating the wells and lines. A new owner may not realize the system is buried under the driveway. Skillings said the repaving the driveway should not be a problem. The lines will be deeper than the base for the asphalt. The Board asked if the current well water had been tested. Skillings did not know. The Board is concerned how the old system will be decommissioned and that there is no possibility of contaminants entering the household water supply. The Board wants assurance that the water will meet drinking water standards once the heat pump is removed. Skillings said the line would be severed and the return line will be capped. The pit less adapter will be plugged in the well. The well will be sanitized after the work. The Board questioned what needs to be done to decommission the existing GSHP. Skillings offered to contact Joe Cerutti at DEP. There is no record of the existing geothermal well which was most likely added after occupancy. The owners want to do the conversion in the next few weeks. Galligan said she would like to see the existing system brought into compliance with appropriate documentation and verification of its decommissioning with DEP. Skillings agreed. The drilling will take one to two days after which the well will be sealed and grouted. There were no further questions from the Board.

It was moved (Galligan) and seconded (Storrs) to approve the conversion of an existing open loop geothermal system to a three closed loop system at 915 Curve Street, Carlisle, MA in accordance with plan submitted 1/30/14 and UIC Registration # MAS31A051213-5CL issued 1/30/14 with the following conditions: (1) Installation, operation and maintenance must comply with all applicable state and local regulations including DEP "Guidelines for Ground Source Heat Pump Wells" Underground Injection Control Program (UIC) revised December 2013; (2) Existing geothermal well must be brought into compliance with appropriate UIC documentation submitted to the Board; (3) Existing geothermal well must be decommissioned in accordance with current DEP guidelines and including plugging of the pit less adapter at the well casing, removing return line from existing well, and post work sanitizing of the well; (5) Water analysis of the household drinking water well to verify that it meets drinking water standards; (6) As-built location plan showing swing ties to wells and well completion report submitted to the Board. Motion passed 5-0-0.

The Board agreed it needs to review its procedures for geothermal wells. There may be unregistered wells in town that need to be brought into compliance. There needs to be a process for disclosing a geothermal well to new property owners. A home inspector may not inspect the equipment. A better way would be to place a notice on the property deed.

BENFIELD FARMS – The developer is asking for a Temporary Certificate of Occupancy (TCO) from the Building Department by 2/14/14. Frado still needs to approve the FAST start up and the re-start of the Perc-Rite system. Mark Beaudry, project engineer, would like to do this next week and have an informational meeting to go over all of the Board's conditions. The Board discussed whether it is allowed to issue a Temporary Certificate of Compliance (TCOC) under Title 5. Occupancy requires a Certificate of Compliance for the septic system. In an email, Beaudry informed the Board that occupancy will not occur until March 1st. The TCO may be necessary for a contractual obligation. The Board would like to know how long a TCO is valid. Fantasia is preparing a checklist of the Board's conditions which include DEP conditions on the two alternative systems, well approvals and financial guarantees. The Board agreed that once the Certificate is issued it becomes more difficult to enforce compliance. The Board discussed having Rob Frado review the conditions but agreed that they cover non-technical issues which are better handled by the town. Larry Barton, Finance Director, will be asked to review the financial sureties for appropriateness. Town counsel may want to review the conditions for the Zoning Board. DEP approved a revised plan for backwash overflow from the water filtration system discharging to the surface but only under emergency situations. A more permanent solution is needed. It was agreed that Risso would contact the Building Inspector and Beaudry for more detail on the need for a TCO.

Warrant Article – Larry Barton is asking to repurpose any unused or inactive warrant articles. The Board disagreed that the fund was inactive. The Board has a balance of \$6700 remaining for the study of water quality issues in town. A small amount is used to test center wells for MTBE during the bi-annual well testing. This is part

of an ongoing evaluation of the center contamination and acts as a reminder for affected homeowners to replace filters on treatment systems. The historical results show improving conditions but there are still pockets of contamination. The Daisy Gasoline Station is undergoing a new 21 evaluation. The Board may need the assistance of a consultant to review proposals. There are also some new developments as a result of an improving economy which may require studies. The Board agreed that the fund has a very important and continuing purpose.

Emergency Preparedness Booklet – an order to print 975 copies has been placed. This is a Region 4A grant funded project. Instead of mailing the booklets, it may be more practical to distribute at town events and keep a list of households receiving the booklet.

Long Ridge Road 40B Development – the Board reviewed the Selectmen's letter to Mass Housing which was prepared by town counsel based on comments from the land use boards. Risso noted that counsel included all of the Board's concerns and that the abutters were pleased with the Board's comments relative to septic and water issues.

Goals – the Board will begin its review of annual goals at the next meeting.

There was no further business discussed. Meeting voted to adjourn at 8:35 pm.

Respectfully submitted,

Linda M. Fantasia, Recorder